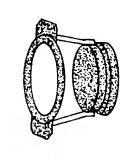
09//





diameter

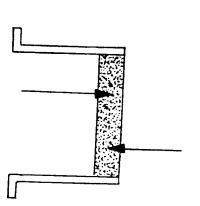
Biopsy plugs of material for analysis

1cm Alginate + HA MSC Layer culture

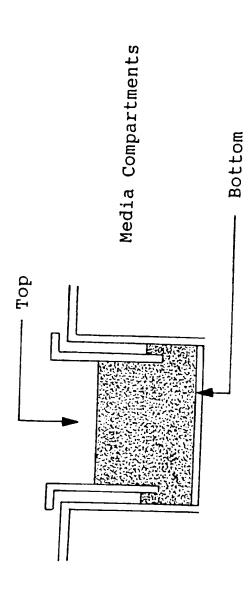
tissue cultureware Transwell Insert .1um pore membrane

SUBSTITUTE SHEET (RULE 26)

Nutrient/Signalling Diffusion

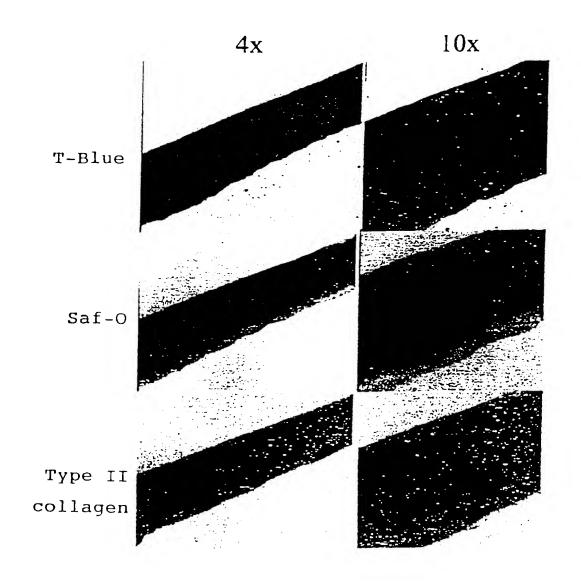


F1G.2



F1G.3

Alginate Layer MSC Chondrogenesis Histology $Day\ 14$



CROSS SECTION VIEW OF LAYER 2.5-1mm thick

SUBSTITUTE SHEET (RULE 26)



04/8/ 124

F1G.4A

F1 G. 4B

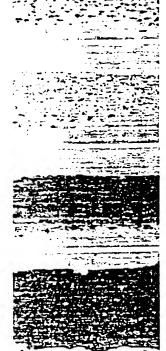
(A) Alginate Cultures (B) Pellet Cultures

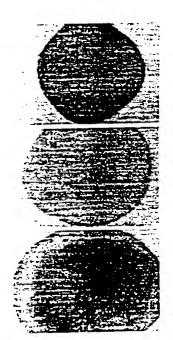
Day 0

Day 7

Day 14

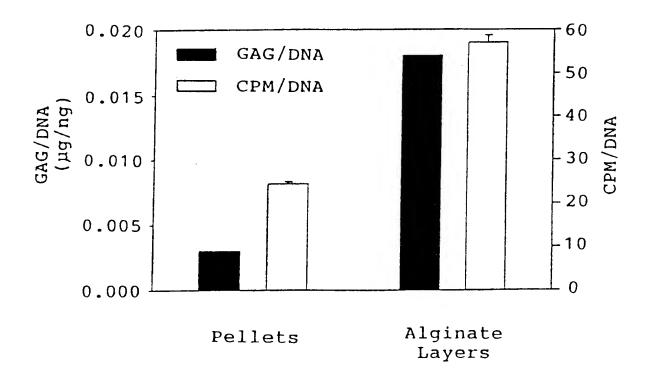
Day 21



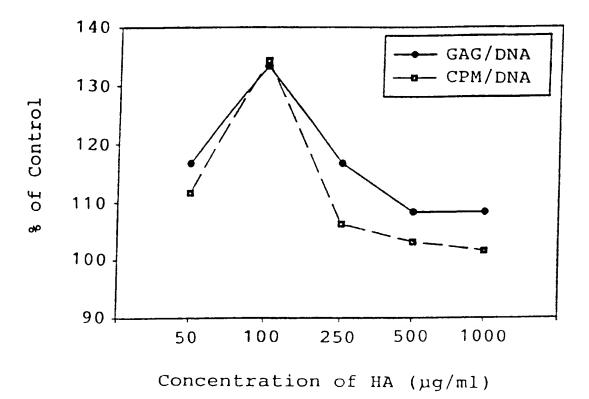


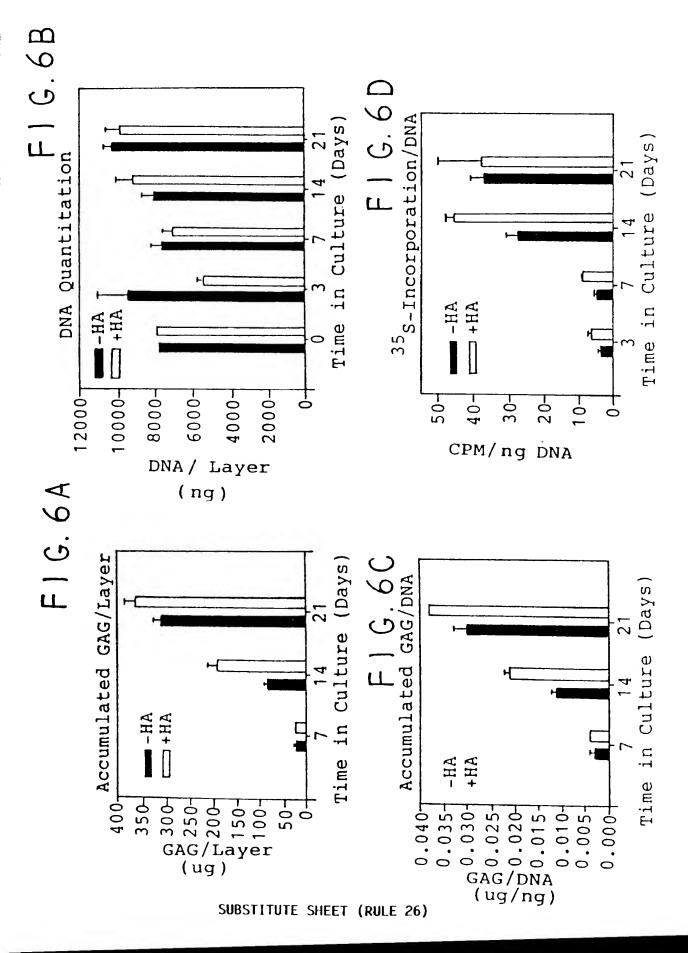
F 1 G. 4 C

Pellet vs. Alginate Chondrogenic Culture Systems

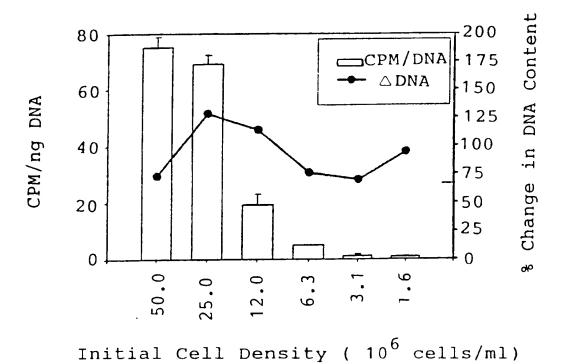


F1 G. 5

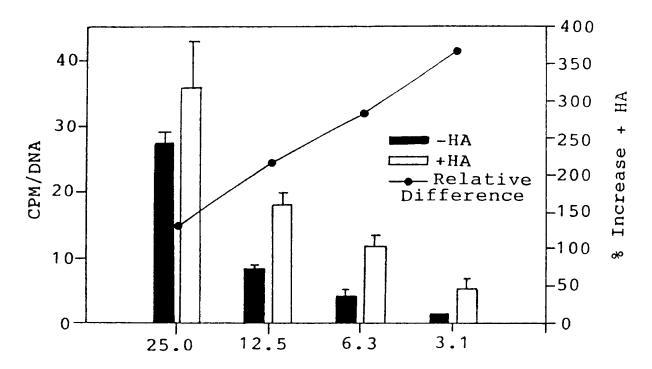




F1 G. 7



F1G.8



Initial Cell Density $(x10^6 \text{ cells/ml})$